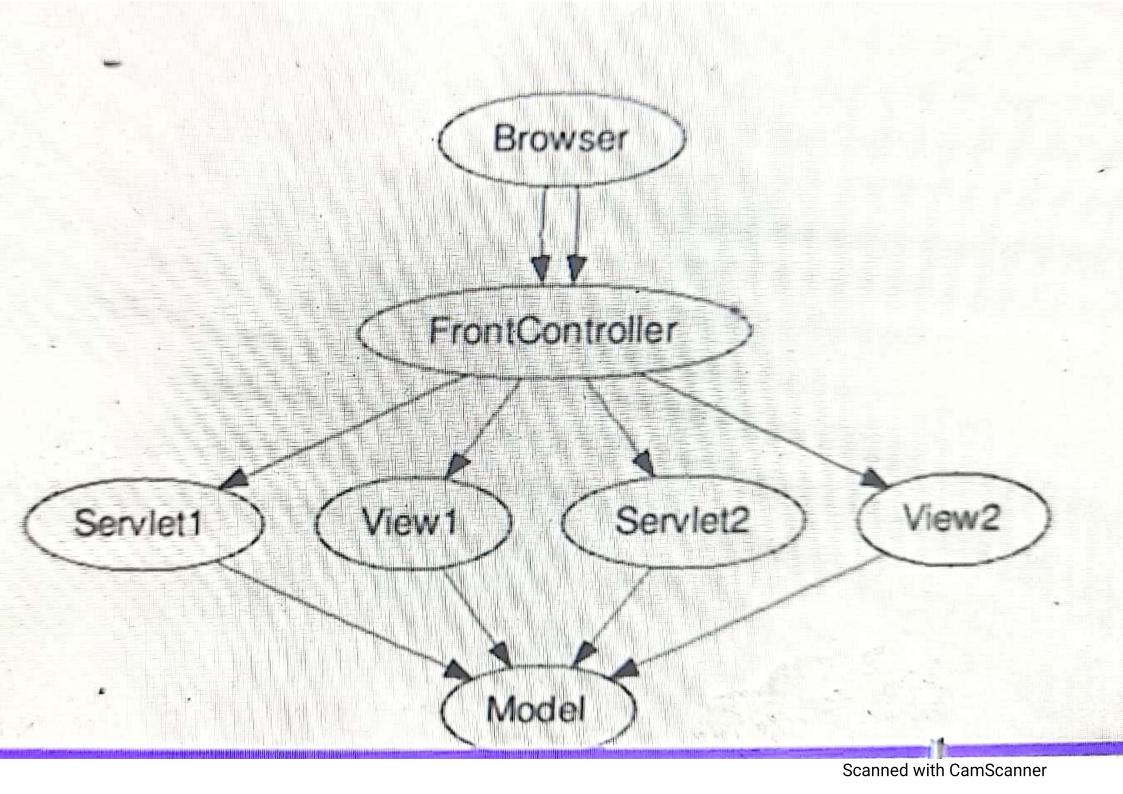
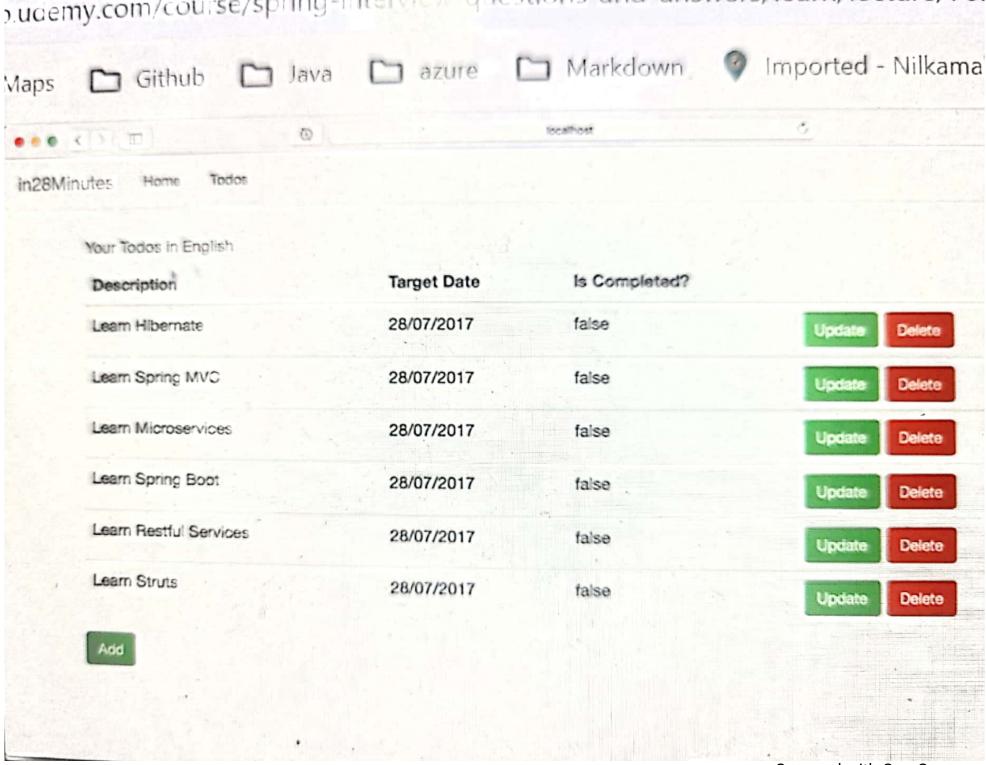


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#### Questions

- Can you show an example controller method in Spring MVC?
- Can you explain a simple flow in Spring MVC?
- What is a ViewResolver?
- What is Model?
- What is ModelAndView?
- What is a RequestMapping?



#### Controller Method

## Questions

- What is Dispatcher Servlet?
- How do you set up Dispatcher Servlet?

```
<servlet>
 <servlet-name>dispatcher</servlet-name>
 <servlet-class>org.springframework.web.servlet.DispatcherSer
  <init-param>
      <param-name>contextConfigLocation</param-name>
      <param-value>/WEB-INF/todo-servlet.xml</param-value>
  </init-param>
  <load-on-startup>1</load-on-startup>
</servlet>
<servlet-mapping>
    <servlet-name>dispatcher</servlet-name>
    <url-pattern>/</url-pattern>
</servlet-mapping>
```

#### Path Variable

http://localhost:8080/cocos/1

```
@RequestMapping(value = "/todos/{id}")
public Todo retrieveTodo(@PathVariable int id) {
   return service.retrieveTodo(id);
}
```

### @SessionAttributes

List the names of model attributes which should be transparently stored in the session or some conversational storage.

```
@SessionAttributes("man" )
public class TodoController {
```

```
Binder
cted void initBinder(WebDataBinder binder) {
pleDateFormat dateFormat = new SimpleDateFormat("dd/MM/yyyy");
der.registerCustomEditor(Date.class, new CustomDateEditor(
    dateFormat, false));
```



#### Questions

- How to handle exceptions for web applications?
- What are the important things to think about when implementing Exception Handling?
- How do you implement Specific Error Handling for a Spring MVC Controller?

## ExceptionController

```
@Controlleradvice
public class ExceptionController {
  private Log logger = LogFactory.getLog(ExceptionController.c
  @ExceptionHandler(value = Exception.class)
  public String handleException
              (HttpServletRequest request, Exception ex) (
    logger.error("Request " + request.getRequestURL()
         + " Threw an Exception", ex);
     return "error";
```

## ExceptionController

```
@ControllerAdvice
public class ExceptionController {
 private Log logger = LogFactory.getLog(ExceptionController.c
 @ExceptionHandler(value = Exception.class)
 public String handleException
              (HttpServletRequest request, Exception ex) {
    Logger, creeo, ("tracer (555), " | Fill (555), (555), (555), (655), (655), (655), (655), (655), (655), (655),
        return "error";
```

# Spring MVC

- Clear Seperation of Concerns
  - Dispatcher Servlet
  - View Resolver
  - View
  - Model